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678,038INFORMATION DISCLOSURE  
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
NG	H.J. Bohm, "The Computer Program LUDI: A New Method For The De Novo Design of Enzyme Inhibitors", <u>Journal of Computer-Aided Molecular Design</u> , 6, pp. 61-78 (1992)
	P.N. Bryan, "Protein Engineering", <u>Biotech Adv.</u> , 5, pp. 221-234 (1987)
	I.D. Campbell et al., "Diffraction, in Biological Spectroscopy", <u>The Benjamin/Cummings Publishing Company, Inc.</u> , Menlo Park, CA, pp. 299-326 (1984)
	N. Claude Cohen et al., "Molecular Modeling Software and Methods for Medicinal Chemistry", <u>Journal of Medicinal Chemistry</u> , 33(3), pp. 883-894 (1990)
	C.R. Gregory et al., "Treatment With Rapamycin and Mycophenolic Acid Reduces Arterial Intimal Thickening Produced by Mechanical Injury and Allows Endothelial Replacement", <u>Transplantation</u> , 59(5), pp.655-661 (March, 1995)
	C. Hansch et al., "Comparison of the Inhibition of Escherichia coli and Lactobacillus Casei Dihydrofolate Reductase by 2,4-diamino-5-(substituted-benzyl) pyrimidines; quantitative Structure-Activity Relationships, X-Ray Crystallography and Computer Graphics in Structure-Activity Analysis", <u>Chemical Abstracts</u> , 97:298f, p. 29 (1982); <u>Journal of Medicinal Chemistry</u> , 25, pp. 777-84 (1982).
	J.A. Huete-Pérez et al., "Identification of the IMP Binding Site in the IMP Dehydrogenase From <i>Tritrichomonas Foetus</i> ", <u>Biochemistry</u> , 34(42), pp. 13889-13894 (1995)
	J. Jancarik et al., "Sparse Matrix Sampling: A Screening Method for Crystallization of Proteins", <u>J. Appl. Cryst.</u> , 24, pp. 409-411 (1991)
	A. Kajihara et al., "Protein Modelling Using a Chimera Reference Protein Derived From Exons", <u>Protein Eng'g</u> , 6, pp. 615-620 (1993)
	R. Li, et al., "A comparison by QSAR, Crystallography, and Computer Graphics of the Inhibition of Various Dihydrofolate Reductases by 5-(x-benzyl)-2,4-diaminopyrimidines", <u>Chemical Abstracts</u> , 98:172570a, p. 28 (1983); <u>Quantitative Structure Activity Relationships Pharmacol. Chem. Biol.</u> , 1, pp. 1-7 (1982)
	G.M. Makara et al., "Nuclear Magnetic Resonance and Molecular Modeling Study on Mycophenolic Acid: Implications for Binding to Inosine Monophosphate Dehydrogenase", <u>J. Med. Chem.</u> , 39(6), pp. 1236-1242 (1996)
	Y.C. Martin, "3D Database Searching In Drug Design", <u>Journal of Medicinal Chemistry</u> , 35 (12), pp. 2145-54 (June 12, 1992)
	C. Montero et al., "Demonstration of Induction of Erythrocyte Inosine Monophosphate Dehydrogenase Activity in Ribavirin-Treated Patients Using a High Performance Liquid Chromatography Linked Method", <u>Clinica Chimica Acta</u> , 238, pp. 169-178 (1995)
NG	J.B. Moon et al., "Computer Design of Bioactive Molecules: A Method for Receptor-Based De Novo Ligand Design", <u>Proteins: Structure, Function, and Genetics</u> , 11, pp. 314-328 (1991)

EXAMINER

*Nikolai Galitsky*

DATE CONSIDERED

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Keith Wilson et al.FILING DATE  
October 2, 2000GROUP  
2764

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER  
INITIAL

NG R.E. Morris, "New Small Molecule Immunosuppressants for Transplantation: Review of Essential Concepts", The Journal of Heart and Lung Transplantation, November/December, pp. S275-S286 (1993)

D. Musil et al., "The refined 2.15 Å X-ray crystal structure of human liver cathepsin B: the structural basis for its specificity", EMBO J., 10(9), pp. 2321-2330 (1991)

A.J. Rusell et al., "Rational Modification of Enzyme Catalysis by Engineering Surface Charge", Nature, 328, pp. 496-500 (August 6, 1987)

A.R. Sielecki et al., "Structure of Recombinant Human Renin, a Target for Cardiovascular-Active Drugs, at 2.5 Å Resolution", Science, 243, pp. 1346-1351 (March, 1989)

M.D. Sintchak et al., "Structure and Mechanism of Inosine Monophosphate Dehydrogenase in Complex with the Immunosuppressant Mycophenolic Acid", Cell, 85, pp. 921-930 (June 14, 1996)

U. Uhlin et al., "Crystallization and crystallographic investigations of ribonucleotide reductase protein R1 from *Escherichia Coli*", Federation of European Biochemical Societies, 336(1), pp. 148-152 (1993)

F.G. Whitby et al., "Preliminary X-Ray Crystallographic Analysis of *Tritrichomonas foetus* Inosine-5'-Monophosphate Dehydrogenase", Proteins: Structure, Function, and Genetics, 23, pp. 598-603 (1995)

NG C.S. Wright et al., "Structure of Subtilisin BPN' at 2.5 Å Resolution", Nature, 221, pp. 235-242 (January 18, 1969)

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Nicolai Goltsev

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